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(71) Applicant (for AE, AG, AL, AM, AT, AU, AZ, BA, BB, BE,
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UZ, VC, VN, YU, ZA, ZM only): **APPLIED MATERIALS**
ISRAEL, LTD. [IL/IL]; 8 Oppenheimer Street, 76236 Re-
hovot (IL).

(71) Applicant (for ZW only): **APPLIED MATERIALS, INC.**
[US/US]; P.O. Box 450A, Santa Clara, California 95052
(US).

(72) Inventors; and

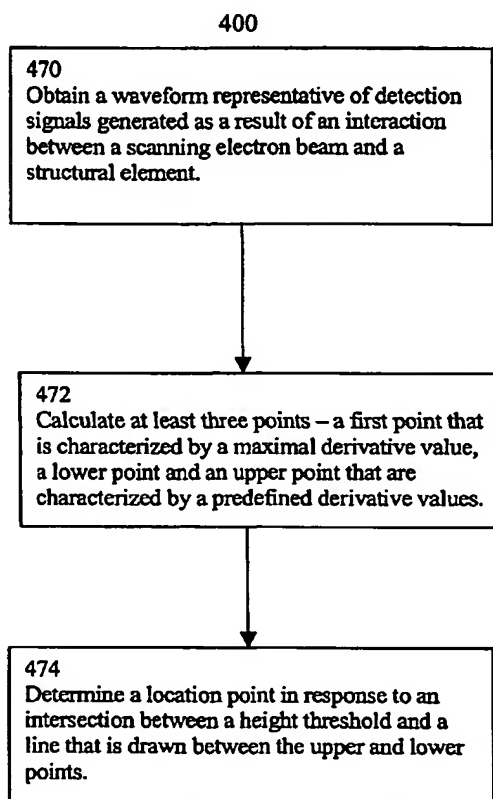
(75) Inventors/Applicants (for US only): **ROSENBERG,**
Zvika [IL/IL]; Hashikma 2, Mevaseret Zion (IL).
MENADEVA, Ovadya [IL/IL]; Eliahu Hanavi 9/3, 71700
Modiin (IL). **TAM, Avram** [IL/IL]; Rival 12, 75743
Rishon Le Zion (IL).

(74) Agent: **FAHMI, Tarek**; 12400 Wilshire Boulevard, 7th
Floor, Los Angeles, California 90025 (US).

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(54) Title: A SYSTEM AND METHOD FOR DETERMINING A CROSS SECTIONAL FEATURE OF A STRUCTURAL ELEMENT USING A REFERENCE STRUCTURAL ELEMENT



(57) Abstract: A system and method for determining a cross sectional feature of a measured structural element having a sub-micron cross section, the cross section is defined by an intermediate section that is located between a first and a second traverse sections. The method starts by a first step of scanning, at a first tilt state, a first portion of a reference structural element and at least the first traverse section of the measured structural element, to determine a first relationship between the reference structural element and the first traverse section. The first step is followed by a second step of scanning, at a second tilt state, a second portion of a reference structural element and at least the second traverse section of the measured structural element, to determine a second relationship between the reference structural element and the second traverse section. The method ends by a third step of determining a cross sectional feature of the measured structural element in response to the first and second relationships.



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